

INFORMATION DISCLOSURE CITATION
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PATENT
OFFICE

Docket Number (Optional)
PM 97.095

Application Number
09/675,908

Applicants
C. Huh, G. Teletzke & S. Nivarthi

Filing Date
29 September, 2000

Group Art Unit
3672

U.S. PATENT DOCUMENT

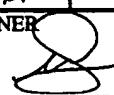
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MRH	A	3,017,934	1/23/62	A. D. Rhodes et al	175	7	RECEIVED
MRH	B	3,667,240	6/6/72	R. H. Vilain	61	46.5	
MRH	C	3,720,066	3/13/73	R. H. Vilain	61	46	JAN 17 2001
MRH	D	3,858,401	1/7/75	B. J. Watkins	61	Technology Center 2100	
MRH	E	3,992,889	11/23/76	B. J. Watkins et al	61	86	
MRH	F	4,099,560	7/11/78	W. Fischer et al	166	0.5	
MRH	G	4,176,986	12/4/79	D. G. Taft et al	405	211	
MRH	H	4,422,801	12/27/83	N. E. Hale et al	405	195	
MRH	I	4,646,840	3/3/87	R. E. Bartholomew et al	166	350	
MRH	J	5,706,897	1/13/98	E. E. Horton, III	166	359	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
MRH	K	1,519,203	7/26/78	Great Britain	E21B	7/12	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MRH	L	F. John Fayers and Trevor M. J. Newley, <i>Detailed Validation of an Empirical Model for Viscous Fingering With Gravity Effects</i> , SPE Reservoir Engineering, May 1988, pp. 542-550.
MRH	M	J. W. Gardner, F. M. Orr and P. D. Patel, <i>The Effect of Phase Behavior on CO₂-Flood Displacement Efficiency</i> , Journal of Petroleum Technology, 11/1981, pp. 2067-2081.
MRH	N	Z. E. Heinemann, C. W. Brand, Margit Munka and Y. M. Chen, <i>Modeling Reservoir Geometry With Irregular Grids</i> , SPE Reservoir Engineering, 5/1991, pp. 225-232
MRH	O	S. Verma and K. Aziz, <i>A Control Volume Scheme for Flexible Grids in Reservoir Simulation</i> , Society of Petroleum Engineers #37999, 6/1997, pp. 215-227
MRH	P	F. J. Fayers and F. Jouaux, <i>An Improved Macroscopic Model for Viscous Fingering and Its Validation for 2D and 3D Flows III. Inclusion of Effects of Heterogeneities</i> , Department of Petroleum Engineering - Stanford University, Marcel Dekker, Inc., 1995 pp. 393-425.
MRH	Q	J. W. Gardner and J. G. J. Ypma, <i>An Investigation of Phase-Behavior/Macroscopic-Bypassing Interaction in CO₂ Flooding</i> , SPE Journal, 10/1984, pp. 508-520.
MRH	R	L. C. Young, <i>The Use of Dispersion Relationships To Model Adverse Mobility Ratio Miscible Displacements</i> , SPE/DOE 14899, April 20-23, 1986, pp. 265-272 (Tables 1-4, Figs. 1-13)
MRH	S	J. G. Crump, <i>Detailed Simulations of the Effects of Process Parameters on Adverse Mobility Ratio Displacements</i> , SPE/DOE 17337, April 17-20, 1988, pp. 187-199
MRH	T	J. W. Barker and F. J. Fayers, <i>Transport Coefficients for Compositional Simulation With Coarse Grids in Heterogeneous Media</i> , SPE 22591 Oct 6-9, 1991, pp. 41-53.

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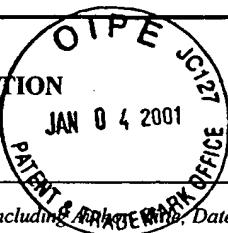
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06/23/04

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SUPPLEMENTAL DISCLOSURE CITATION

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mRH	U	E. J. Koval, <i>A Method for Predicting the Performance of Unstable Miscible Displacement in Heterogeneous Media</i> , SPE Journal 6/1963, pp. 145-154.
mRH	V	E. L. Dougherty, <i>Mathematical Model of an Unstable Miscible Displacement</i> , SPE Journal 6/1963, pp. 155-163.
mRH	W	M. R. Todd and W. J. Longstaff, <i>The Development, Testing, and Application Of a Numerical Simulator for Predicting Miscible Flood Performance</i> , Journal of Petroleum Technology, July 1972, pp. 874-882.
mRH	X	F. John Fayers, <i>An Approximate Model With Physically Interpretable Parameters for Representing Miscible Viscous Fingering</i> , SPE Reservoir Engineering, May 1988, pp. 551-558.
mRH	Y	M. R. Todd and C. A. Chase, <i>Numerical Simulator For Predicting Chemical Flood Performance</i> , SPE 7689, Feb. 1-2, 1979, pp. 161-170 (Fig. 1-7).
mRH	Z	Scott Kirkpatrick, <i>Percolation and Conduction</i> , Reviews of Modern Physics, Volume 45, Number 4, October 1973, pp. 574-588.
mRH	AA	M. Sahimi, B. D. Hughes, L. E. Scriven and H. T. Davis, <i>Stochastic Transport in Disordered Systems</i> , American Institute of Physics, J. Chem. Phys. 78(11), June 1, 1983, pp. 6849-6864.
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mRH	CC	S. Kirkpatrick, <i>Classical Transport in Disordered Media: Scaling and Effective-Medium Theories</i> , Physical Review Letters, Vol. 27, Number 25, Dec. 20, 1971, pp. 1722-1725.
mRH	DD	K. K. Mohanty, J. M. Ottino and H. T. Davis, <i>Reaction and Transport in Disordered Composite Media: Introduction Of Percolation Concepts</i> , Pergamon Press, Ltd., Chemical Engineering Science Vol. 37, No. 6, 1982, pp. 905-924.
mRH	EE	S. Verma and K. Aziz, <i>Two-and Three-Dimensional Flexible Grids for Reservoir Simulation</i> , Paper presented at the 5th European Conference on the Mathematics of Oil Recovery, Leoben, Austria, Sept. 3-6, 1996, pp. 143-156.
mRH	FF	Z. E. Heinemann, C. Brand, M. Munka and Y. M. Chen, <i>Modeling Reservoir Geometry With Irregular Grids</i> , SPE 18412, Feb. 6-8, 1989, pp. 37-49.
mRH	GG	M. J. Blunt, J. W. Barker, B. Rubin, M. Mansfield, I. D. Culverwell and M. A. Christie, <i>Predictive Theory for Viscous Fingering in Compositional Displacement</i> , Society of Petroleum Engineers, Feb. 1994, pp. 73-80.
mRH	HH	M. R. Todd, J. K. Dietrich, A. Goldburg and R. G. Larson, <i>Numerical Simulation of Competing Chemical Flood Designs</i> , SPE 7077, April 16-19, 1978, pp. 409-417, (Tables 1-7), (Figs. 1-21)
mRH	II	Calvin C. Mattax and Robert L. Dalton, <i>Reservoir Simulation</i> , Monograph Volume 13 SPE Henry L. Doherty Series, 1990, Chapter 6 pp. 57-73.
mRH	JJ	C. A. Chase, Jr. and M. R. Todd, <i>Numerical Simulation of CO₂ Flood Performance</i> , Society of Petroleum Engineers Journal, Dec. 1984, pp. 597-605.
mRH	KK	F. J. Fayers, F. Jouaux and H. A. Tchelepi, <i>An Improved Macroscopic Model For Viscous Fingering and its Validation for 2D and 3D Flows II. Flows Influenced by Gravity</i> , Department of Petroleum Engineering, Stanford University, Marcel Dekker, Inc., 1994, pp. 79-105.
mRH	LL	F. J. Fayers, F. Jouaux and H. A. Tchelepi, <i>An Improved Macroscopic Model For Viscous Fingering and its Validation for 2D and 3D Flows I. Non-Gravity Flows</i> , Department of Petroleum Engineering, Stanford University, Marcel Dekker, Inc., 1994, pp. 43-78.
mRH	MM	M. R. Todd, P. M. O'Dell and G. J. Hirasaki, <i>Methods For Increased Accuracy In Numerical Reservoir Simulators</i> , Society of Petroleum Engineers Journal, Dec. 1972, pp. 515-530.
mRH	NN	P. R. King, <i>The Mathematics of Oil Recovery</i> , Clarendon Press, Oxford, 1992, pp. 116-150.

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06/23/2004

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